Notebook, N-04-12-14

04-12-14

5138 - 5173

12/14/04

5142	481	497	500	49[illegible]
41	469	482	475	[illegible]
40	463	480	477	[illegible]
39	463	480	455	460
38	477	470	469	[illegible]
	471	485	480	

December 14 1904

5138 5 Reg nickels
21% containing 16 milligrammes
[illegible] of [illegible] in [illegible]
Chg 15 H 200 Dic 100
Center 92 [illegible]

5139
Center 45 Edge [illegible]

5140
Center [illegible] Edge [illegible]

5141
Center [illegible] Edge 112 + 114

5142
Center [illegible] Edge [illegible]

5147	455	435	482	347	359	[illegible]	
46	504	513	477	480	462	447	[illegible]
45	495	498		483	401	[illegible]	[illegible]
44	519	545		530	521	[illegible]	[illegible]
43	521	552		513	49[illegible]	486	[illegible]
	497	508		481		465	

5/2326
485

of 5138

xcept 32 Milligrammes Iodide Potassium

5144

99 [illegible]

5145

11[illegible]

5146

103 112 + 114

5147

[illegible]

5152	418	352	287	283	279	[illegible]
51	472	468	457	433	421	[illegible]
50	483	500	432	433	[illegible]	[illegible]
49	457	391	300	242	162	[illegible]
48	450	422	5c	343	5c	[illegible]
	456	422	369			313

5)1567
313

5148 Dup of 5138
Except 6.4 miligrammes Iodide Potassium.
Center 100 [illegible]

5149
Center [illegible]

5150
Center 99 Edge 111 + 111

5151
Center [illegible] Edge 107 + 108

5152
Center 10[illegible] Edge [illegible]

5157	367	298	170
56	504	505	428
55	408	390	300
54	460	425	333
53	413	350	250
	430	393	302

5153 Dup of 5138
Except 125 milgrms Iodide Potassium
[illegible]

5154
Solp [illegible]

5155
101 [illegible] [illegible] + 118

5156
103 [illegible] 113 + 113

5157
[illegible] 110 + 11[illegible]

5162	439	405	311	[illegible]
61	442	407	317	[illegible]
60	439.	402	307	24[illegible]
59	436	392	288	2[illegible]
58	435	~~377~~	~~290~~	[illegible]
	438	404	305	

5158 Dup of 5138
Same except 250 milligrams Iodide Potassium
Center 92 Edge [illegible] + 105

5159
Center 93 Edge 101 + 105

5160
Center 92 101 + 105

5161
93 101 + 101

5162
93 101 + 104

5167	395	309	203	14[illegible]	[illegible]	99	
66	387	310	208	159	[illegible]	99	
65	387	303	203	15[illegible]	145	99	
64	378	300	205	15[illegible]	[illegible]	[illegible]	
63	391	30[illegible]	207	15[illegible]	[illegible]	[illegible]	
	393	306	205			99	

5/4[illegible]6 / 11

5163 Dup of 5138.
Except 500 Milgrms Iodide Potassium.
Center 91 Edge 101/104

5164
Center 92 Edge 101 + 104

5165
Center 92 Edge 102 + 104

5166
Center 89 Edge 99 + 101

5167
Center 89 Edge 100 + 103

5172	481	480	~~497~~	489
71	487	481	~~493~~	493
70		493	~~477~~	
69	482	487	~~468~~	497
68	477	488		468

5168 5 Regular Nickels
21% with 500 miligrams of Stannate Potash
get from JWA. Run 15 h 200 dis 10.0

5169 Center .093 Edge .106-.105
Center .099 Edge .104-.108

5170 Center .094 Edge .105-.107

5171 Center .094 Edge .10[illegible]

5172 Center .095 Edge .107-.106

Rather generally low Crimp?

5177	543	553	546	537	532	[illegible]
76	543	557	550 ?	543	531	[illegible]
75	552	560	552	543	537	[illegible]
74	508	470	464	448	447	[illegible]
73	532	540	540	531	523	[illegible]
	535	536	530	520		512

53 Burns per End

	59	40
5177	462	40.3
76	462	485
75	455	517

Rather Long Coating

5) 2564

5173 - 5 Reg Nickels run in 21% Solution of Sodium Hydroxide made from Metallic Sodium - get from JWA - Solution only To be used if free from Alumina - Chg 15 h 200 dis 100

5174 Center .096 Edge .105 - .104
Center .097 Edge .106 - 107

5175 Center .094 Edge .105 - .104

5176 Center .097 Edge .108 - .105

5177 - Center .093 Edge .103 - .105

5182	~~263~~	280	~~19[illegible]~~	[illegible]
81	~~260~~	2[illegible]	~~2[illegible]3~~	215
80	~~2[illegible]4~~	202	~~216~~	[illegible]30
79	~~242~~	306	~~230~~	[illegible]
78	~~200~~	270		[illegible]

5178 5 Reg Ni - 21% in each Cell put ~~8~~ 10 grammes of Caustic Lime in 1/16 lumps. Use Windsor lime fresh out of bottle in chemical room dont expose to air longer than to weigh & put right in cell - 10 grms to each cell. Then add 500 milligrammes of Aluminum to each cell - allow the Cells to rest 24 hours - Then charge 15 hours 200 dis 100 see Edison about the lime —

Center 89 Edge 99 + 103

5179

Center 90 Edge 99 + 101

5180

Center 91 Edge 102 + 102

5181

Center 93 Edge 105 + 104

5182 —

Center 93 Edge 105 + 105

5187	282	232
86	245	180
85	234	180
84	267	217
83	262	197

5183 5 Reg Ni 21% containing 500 milgrms Aluminum in each Cell & 1 gram of Magnesium powder used for flash light, ~~Ch~~ Let Cells rest 24 hours before Chg — Chg 200 dis 100
Center 89 Edge 102 + 105

5184
Center 89 Edge 101 + 103

5185
Center 92 Edge 104 + 104

5186
Center 95 Edge 104 + 106

5187
Center 92 Edge 103 + 104

5192	247	158
91	272	225
90	272	223
89	268	200
88	267	203

5188 – 5 Reg Ni in cells The Cells having 2 Extra strips of CP nickel 1/8 wide a + b –

put 500 milligms of aluminum in 2 [illegible] in Each cell

With these strips, connect to current for 24 hours at 200 rate. After that Change the Reg cups & disconnect the strips, | Chg 15 h 200 dis 100
Center 91 | Edge 104+104

5189
Center 89 Edge 102+103

5190
Center [illegible] Edge 105+105

5191
Center 93 Edge 97+105

5192
Center 90 Edge 102+114

5193	200	230	251	292	250	283	247	3rd Treatment

This cell fully Charged & soaked in water 5 or 6 times Covering a period of about 5 hours until yellow Caste of Solution showing iron — & then let it go a little further and Run it.

Charge 15 h 200 dis 100 —

3rd Treatment — Chg 15 h 200 dis 100 in 21% Containing 250 milligramme CP Merck Cyanide of Potassium —

3rd treatment 3.

5193	292	250	292	291	

4th Treatment

5193				

4th Treatment
Soaked to get rid of the Soda but they Soaked 24 hours in strong Citrate Potassium neutral —

See No 5 book it was treated as No 4 as above along with another cell 26 —

5193 — One cup from old Endurance Cell No 26 — Soaked in weak Solution of KOH Containing a little Thiosulphate of K — The cup had been previously discharged soaked in water & dried. Soaked in Thio 24 hours then put in water 10 hours

~~Put in cell [illegible] Chg [illegible] Reverse~~
~~The Cup in 21% for 15 hours 150~~
~~[illegible]~~ put in 21% with 2 irons & Chge 15 hours 200 dis 100 —

5198	~~367~~	367	273
97	~~373~~	323	186
96	~~376~~	373	273
95	~~375~~	376	260
94	~~245~~	375	275

5194 – 5 Reg Ni .21% Cont [illegible]
One gramme of Millions base +
250 milligrammes of Aluminum [illegible]
Let cells [illegible] 24 hours before dry
Dry 15# at 600 – [illegible] 100

Center .091 Edge .103 – .104

5195 Center .094 Edge [illegible] – .106

5196 Center .091 Edge .106 – .103

5197 Center .092 Edge .103 – .104

5198 Center .092 Edge .103 – .106

5203	471	457	433	433	433	411	392
02	465	457	442	433	433	417	395
01	462	450	[illegible]	433	433	410	383
00	472	460	442	438	433	412	388
5199	441	391	367	367	337	300	283
	462	443	443				

5)1950
390

5199 — 5 Reg nickels 21%
Containing 250 milligrammes aluminum
& 2 grammes fresh precipitated
Barium Carbonate,
[illegible] 125 + 108

5200 Cond[illegible] 89 [illegible] + 141

5201 " — " 122 + 104

5202 " 92 " 103 + 107

5203 " 90 [illegible]

50 mlg Al Each cell

5204 = Fx. 2 in 1 file

S.L. # 3802 [illegible] [illegible]

Rec #46

Ch 200 + run 200 1st 2 runs –

" 200 + " 500 3rd to 5th "

" 200 " " 200 6 + 7th "

5205 Fx.

S.L. # 3803 [illegible] [illegible]

Dup of 5204

Ch + run same as 5204

5206 Fe - 2hi I Fe. 12/15/64

S.L. #3804 $\frac{c}{75}$ $\frac{c}{[illegible]}$

#44 R.a.

dr	200	run	200	2 mins.
"	"	"	500	3 "
"	200	"	200	2 "

5207 Fe.

S.L. #38[illegible] $\frac{c}{[illegible]}$ $\frac{c}{[illegible]}$

Dup of 5206.

dr & run same as 5206

5208 Fe.   2 hr. x 1 fe.

S.L. # 3806 $\frac{c}{70}$ $\frac{\varepsilon}{86.+89}$

#39 2 Cu.

Cu 200 mm 200. 2 mins

" " " 500 3 "

" " " 200 2 "

5209 Fe.

S.L. # 3807 $\frac{c}{72}$ $\frac{\varepsilon}{[illegible]}$

Dup of 5208.

5210 2 Mi. 1 fe.

S.L. #3808 $\frac{c}{70}$ $\frac{E}{85 + 85}$

#48 R a.

di 200 : mm. 200 2 mins.

" " " 500 3 "

" " " 200 2 "

5211

S.L. #3809. $\frac{c}{68}$ [illegible] 58

Dup of 5210

5216	487	504	[illegible]	518	537	519	522
15	482	499	507	508	528	513	511
14	493	507	[illegible]	525	542	530	526
13	486	502	505	517	537	523	519
12	489	506	512	518	541	526	514
	467	505	514	517	537	522	519

Wasn't the Al left out—

5212 5 Reg Ni 210/o Containing
3 grammes Glucose + 250 mlg Aluminum
Chg 15 h 200 dis 100
center 91 Edge 104+104

5213 center 91 Edge [illegible]+104

5214 center 91 Edge

5215 center 92 Edge [illegible]+104

5216 -center 94 Edge 105+105

50 mlg Aluminum
in each cell—

						52 Runs on Each	58	59
5221	497	500	480	494	490			
20	497	515	496	500	500			
× 19	497	509	496	502	500		497	509
× 18	499	515	497	497	500		496	505
× 17	499	516	499	507	508		500	512

5217 5 Reg Ni 21% Solution

Containing 3 grammes of Crystals in each cell of Barium Hydrate, Chg 15 h 200 dis 100

Centre 93 [illegible] 104+105

5218

[illegible] 91 [illegible] 104+104

5219

[illegible] 93 [illegible]

5220

[illegible] 89 Edge [illegible]

5221

Centre 93 Edge 103+106

5	5226	487	484	491	493
	25	480	477	475	.477
x	24	484	464	490	.493
x	23	487	490	491	.493
x	22	478	477	473	.477

5222 5 Req Ni 21%
Containing 3 gram[illegible] of a
Manganate.
Chg 15 h 200 chs 100

Center .093 Edge .108 - .104

5223 Center .093 Edge .104 - .104

5224 Center .093 Edge .106 - .102

5225 Center .091 Edge .104 - .102

5226 Center .094 Edge .104 - .104

5231	511	518	505	509	505	509
30	508	518	[illegible]	506	500	505
29	509	518	511	517	514	514
28	507	518	515	514	513	513
27	507	517	510	514	512	512

5% Bism in Excl

	59	60
5229	500	508
28	502	508
27	500	515

Wasn't the Aluminum left out —

Doubtful if any Al ever put in —

5227 5 nickels 21%
Containing 1 gramme Stannate
of an Alkali + 500 Milgms Aluminum
Chg 15 h 200 dis 100

Center .092 Edge .103 - .103

5228 Center .093 Edge .106 - .104

5229 Center .093 Edge .105 - .105

5230 Center .092 Edge .106 - .101

5231 Center .092 Edge .103 - .104

5236	510	517	522	525	545	528
35	505	507	501	477	528	508
34	507	508	510	517	550	526
33	507	509	512	517	541	525
32	506	508	509	515	537	525
	505	510	512	510	540	[illegible]

			60	61
5236	527	5% [illegible]		
35	492			
× 34	527		507	517
× 33	527		507	516
× 32	515		495	498
	517			

5232 5 Reg Ni 21%
Containing 2 grammes fluoride
of Potash or Soda
Chg 15 h 200 dis 100
Center 90 Sol g. 101 & 104

5233 Center 92 Sol g. 100-105

5234 " 89 "

5235 " 98 " 104 & 105

5236 " 92 " 103 & 105.

400 mlg K Fluoride Ti Cell

5240	512	518	513	513	498	492	500
39	503	517	509	512	499	485	494
38	[illegible]	525	523	525	500	497	507
37½	510	520	517	518	492	481	497
37	503	518	514	513	492	[illegible]	497
	509	519	515	516	494	489	497

			61	62
5240	500	[illegible]		
39	483			
38	507		520	512
37½	499		517	500
37	499		519	508
	499			

5237 = 5 Reg Ni - 21%
Solution from stick potash which
has been purified by Lime instead
of Barium —
Chg 15 h 200 des 100
Center .093 Edge .103 — .107

5237½ Center .092 Edge .105 — .105

5238 Center .093 Edge .104 — .104

5239 Center .091 Edge .104 — .104

5240 Center .094 Edge .105 — .107

5245	493	500	507	525	505	510
44	500	506	518	530	508	512
43	507	506	518	533	512	517
42	499	507	517	533	517	520
41	490	498	512	523	505	507
	498	503	514	529	509	514

			40	61
5245	508	5x [illegible] Ext.		
44	508			
43	513		523	519
42	519		525	512
41	508		525	508
	511			

5241 5 Req Ni 21%
Containing ~~1#~~ 5.cc. of
Peroxide of Hydrogen
Chg 15 h 200 kleo 100
Center 92 Edge 105+105

5242 Center 92 Edge 104+104

5243 " 91 " 104+105

5244 " 90 " 101+102

5245 " 90 " 101+105

5250	403	307	173
49	390	296	175
48	364	291	173
47	403	307	177
46	400	299	178

Let cells soak 10 hours before chg

5246 5 Reg Nickels – 21%
Containing 1 gramme Aluminum
+ 1 gram Red oxide of Mercury
in bottom of Cell – Run 15h 200 dis 100
Center 92 edge

5247 center 92 edge 113+[illegible]

5248 center 92 " [illegible]2[illegible] H

5249 " 93 " [illegible]3

5250 " 92 " 101+103

5255	253	181
54	258	182
53	243	174
52	248	167
51	233	174

Let cell soak 10 hours before charging

5251 5 Nickels 21% Containing 3 grammes of Green Nickel hydroxide in bottom of Cell + 1 gramme of Aluminum dissolved in Electrolyte in Each cell — Chg 15 h 200 dis 100

Center .094 Edge .103-.104

5252 Center .094 Edge .106-.107

5253 Center .091 Edge .101-.105

5254 Center .092 Edge .104-.105

5255 Center .091 Edge .107-.108

Let cells Soak 10 hours before Chg

5256 Dup of 5251
Except use irons without
any Mercury in them —
Chg 15 h 200 dis 100
Center .091 Edge .103—.106

5257 Center .095 Edge .106—.105

5258 Center .090 Edge .104—.102

5259 Center .095 Edge .106—.104

5260— Center .091 Edge .105—.104

							58	59
5265	495	493	498	502	494			
64	497	50	478	493	485			
63	482	475	483	488	478		500	490
62	500	494	500	508	478		525	500
61	496	487	497	504	494		521	510

5—[illegible] on End

5261 5 Ni 21% which has been ~~cooled~~ heated to 150 with 5 grammes of powdered green Nickel hydroxide for 5 or 6 hours then solution cooled & poured off into cells — Chg 15 h 200 Elec 100

Center .094 Edge .108 — .105

5262 Center .095 Edge .106 — .108

5263 Center .093 Edge .104 — .105

5264 Center .092 Edge .104 — .103

5265 Center .092 Edge .105 — .104

5270	250	187
69	228	165
68	232	154
67	250	187
66	210	141

5266 5 ni 21% containing one gram of metallic aluminum dissolved in each cell - Cups to be 5000 perforations
Charge 15 h 200 dis 100

Center .094 Edge .105 — .106

5267 Center .094 Edge .107 — .106

5268 Center .092 Edge .103 — .105

5269 Center .090 Edge .10[illegible] — .106

5270 Center .092 Edge .105 — .104

Run in reg cups

5275	333	~~2~~
74	343	233
73	345	231
72	274	147
71	[illegible]	231

1 gram aluminum

5271 Dup of 5266 Except 5000 per Reversed perforations one gram Aluminum.
Chg 15 h 200 dis 100

5272 Center .094 Edge .106 — .104
Center .100 edge .105 — .107

5273 Center .094 Edge .105 — .106

5274 Center .091 Edge .104 — .105

5275 Center .090 Edge .106 — .105

Run in neg cups

5280	343	242
79	343	244
78	334	248
77	333	208
76	343	240

1 gram alum

5276 Same as 5266 –
but with old C 1250 perforation cups
Chg 15 lbs dia 100

Center .093 Edge .102 – .105

5277 Center .096 Edge .107 – .108

5278 Center .090 Edge .103 – .098

5279 Center .093 Edge .106 – .105

5280 Center .094 Edge .105 – .105

Run in reg cups

Whats this mean

5255	337	244
54	347	241
53	345	240
52	347	249
51	[illegible]	130

1 grm alum

5281 Dup of 5266 Except
old C cups 1250 holes Reversed

Center .108 Edge .107 — .109

5282 Center .091 Edge .105 — .104

5283 Center .091 Edge .103 — .103

5284 Center .095 Edge .105 — .105

5285 Center .092 Edge .106 — .104

[illegible] reg cups

5290	347	252
89	351	260
88	337	232
87	321	233
86	[illegible]	232

5286 [redacted]

5 ni Reg Cups 21% with one gram aluminum mit, Use big Corrugated die plate - no alumina
~~Ag~~ Reworked perforations
Chg 15 h 200 dis 100
Center .091 Edge .102 — .105

5287 Center .090 Edge .101 — .103

5288 Center .094 Edge .105 — .106

5289 Center .091 Edge .103 — .102

5290 Center .091 Edge .104 — .106

big corrugation

5295	345	231
94	318	200
93	352	243
92	353	227
91	[illegible]	249

5291 Dup of 5286—
Except 300 atmos pressure

5292 Center .093 Edge .103 — .107
Center .093 Edge .105 — .107

5293 Center .093 Edge .107 — .106

5294 Center .096 Edge .107 — .106

5295 Center .093 Edge .105 — .102

Reg corrugation

5300	207	124
5299	222	143
98	177	95
97	182	100
96	182	100

5296 - 5 Reg Ni 33% - one gram
Aluminum dissolved in each cell
Chg & dischg in the 33%
Chg 15 hours 200 dis 100

[illegible] .091 [illegible]

5297 [illegible] .094 [illegible]

5298 [illegible] .092 [illegible]

5299 [illegible] .095 [illegible] .105-.107

5300 [illegible] .094 [illegible] .105-.105

5305	264	210	167
04	275	235	178
03	271	232	172
02	281	238	182
01	278	237	183

5301 Dup of 5296 Except /
10% KOH with one gram
aluminum —

Center: .094 Edge .106 - .104

5302 Center: .093 Edge .107 - .106

5303 Center: .093 Edge .106 - .107

5304 Center: .093 Edge .106 - .106

5305 Center .095 Edge .107 - .106

5310	476	474
9	467	457
8	472	457
7	467	463
6	462	458

5306 5 Ni 21% containing 2 grams of precipitated Silver Oxide in bottom each cell —
Chg 15 h 200 dis 100

Center .093 Edge .104 — 105

5307 Center .133 Edge .095 [illegible]

5308 Center .187 Edge .099—101

5309 Center .039 Edge .102 — 101

5310 Center .089 Edge .105 — .108

5315	493	300	0	477	480
14	487	408	SC	490	496
13	491	412	0	483	500
12	493	x	133	486	494
11	483	415	SC.	493	489

OK again –

after 3rd Run Cells taken apart & new Irons put with the nickels in fresh 21%

5311 – 5 Reg Ni. 21% each cell containing 3 grms flowers of Sulphur in bottom of cell Chg 15 h 200 dis 180

[illegible] 104-105

5312 [illegible] 113-113

5313 [illegible] 104-107

5314 [illegible] 105-105

5315 [illegible] 104-105

5320	[illegible]	270
19	360	285
18	[illegible]	299
17	345	282
16	[illegible]	258

5316 5 Req ni put all together in a bunch in one little cell with a nickel strip, The KOH, Containing 1 gram of aluminum — to be charged & discharged by the Current, Chg 15 hours 200 per pack, dischg to Zero & Then assemble in Cells having No aluminum in the KOH & run Req —

Center .093 | Edge 102 — 103

5317 Center .093 Edge 105 — 102

5318 Center .093 Edge [illegible] — 104

5319 Center .092 Edge 106 — 103

5320 Center .090 Edge 103 — 103

							58	59
5325	467	491	473	483	479	6 Burns on End	517	497
24	477	493	480	487	487		490	483
23	477	498	477	491	487		528	498
22	492	513	475	500	475			
21	477	497	466	487	455			

5321 Reg Mi' 21% made from Lump Potash & wat treated with Barium Chg 15 h 200 dis 100

[illegible] 107

5322 [illegible] 103-105

5323 [illegible] 105

5324 [illegible]

5325 [illegible] .976 [illegible] -105

5330	[illegible]	210
29	[illegible]	172
28	[illegible]	202
27	[illegible]	210
26	[illegible]	212

5326 Dup of 5321
but lump KOH, has 1 gram
Aluminum in Each cell —

[illegible] .092 Edge [illegible] — 106

5327 Center .092 Edge 105 — 106

5328 Center [illegible] Edge [illegible] — 101

5329 Center .093 Edge 107 — 104

5330 Center .092 Edge 105 — 105

5335	198	173
34	200	175
33	200	222
32	200	200
31	168	174

Soaked 12 hours in Solution.

5331

5 Reg Ni 21% 1 gram Aluminum put with irons which are fully Chgd & which after charging have be soaked in 5% Solution of Potassic Thiosulphate 6 hours & then soaked in 1/2 gallon water 10 hours — then assembled & Chgd 15h. 200 - dis 100

5332 Center 95 Edge 102 — 108
Center 93 Edge 102 — 102

5333 Center 93 Edge 102 — 105

5334 Center 91 Edge 103 — 103

5335 Center 91 Edge 104 — 104

5340	157
39	157
38	163
37	167
36	164

5336 — 5 nickels 21%
Containing 1 gram aluminum
and 4 grammes of Calcium
Saccharate (Fiva) - dissolve the
Aluminum first & then add the
Calcium Saccharate, above amount
put in Each cell — **Rush!**

	91	102 – 106.
5337	93	101 – 103
5338	94	105 – 107
5339	92	103 – 102
5340	93	101 – 106

Note -

Bast fibres treated hot KOH, washed & used for separators.

Oxycellulose made by action of Hypochlorite on paper in presence of air & Carbonic acid which dissolves in the alkali —
This paper which is unchanged will remove Vanadium from a solution containing One part in 1000 millions

Some Oxalic acids Contain 6% of lead

Portland Cement Separators —
bottom for cell —

5345	3	
44		
43		
42	324	163
41	347	213

Rush Done Contang no mercury

5341 = Take 5 from New charge 24 hours against a strip in a solution having 3 grammes of Iodide of Potassium to each 100 cc of 21% KOH, per cup then after charge soak in large quantity of water containing about 1% of KOH, after soaking 6 hours, assemble in single cells with Reg Nickels in 21% containing 3 grammes Iodide Potassium to 1 each cell

Chge 15 h 200 dis 100

93 105 - 104

Soaked 16 hours in H_2O

5342 92 105 - 106

5343

5344

5345

5350		
49		
48		
47	50	222
46	325	50

Rush [illegible]

5346 = 5 hours without any Mercury — soak 10 hours in Solution of 3 grammes Iodide Potassium in 100 cc of 21% — per cup or 500 cc 21% 15 grammes Iodide —

Then put in large quantity of 1% KOH, soak 6 hours & assemble with Ray nickels. Put in each cell 3 grammes Iodide Potassium, Chg 15 h 20 [illegible] 100

Soaked 20 hours in Solution

89 103 – 106

5347 93 107 – 104

5348

5349

5350

[illegible]	556	550	531	511	500	467	511
54	556	552	537	523	507	400	4[illegible]3
53	533	523	496	473	420	267	350
52	565	558	542	525	450	333	467
51	570	550	522	506	433	300	279
	556		525				

5355	437	513	504
54	329	486	502
53	213	442	407
52	3[illegible]	507	442
51	167	433	437

5)2624
523

Was the aluminum perfect -

5351 - 5 Reg [illegible] — Reg [illegible] 21% Containing one gramme of aluminum & 13 grammes of Cyanide of [illegible]
Chg 15 h 200 to 100

5352 [illegible] 22 [illegible] [illegible]
106 - 105

5353 ditto 13 Edge [illegible]

5354 ditto 12 Edge 103 - 102

5355 ditto [illegible] 103

5360	549	547	514	507	503		
59	554	562	535	530	529	535	533
58	559	556	520	517	518	534	517
57	563	558	528	523	528	537	527
56	577	561	530	530	522	534	519
	560	557	525	521	520	530	524

5360			
59	510	524	432
58	496	516	497
57	503	518	502
56	[illegible]	515	497

4)2607

5)2600 520

5)2607 521

4)2140 530

5356 = 5 Reg Ni — Trans containing no mercury 21% Solution Containing 1 gramme Glycerine + 3 grams mod Cyanide of Potassium
Chg 15 h 200 Dg 100

5357	75	104–101
	72	106–100
5358	75	105–104
5359	77	107–108
5360		104–105

200 mg at —
600 Kcy Each cell —

5365	303
64	45[illegible]
63	50
62	50
61	50

5361 — 5 [illegible] — 21%
Containing 2 grains [illegible]
precipitated Chopped [illegible]
Cotton [illegible]
Clay 15 h 200 [illegible]

5362	91 95	105—107 105—102
5363	92	102—104
5364	91	105—103
5365	93	106—104

5370	297	419
69	297	326
68	291	285
67	291	326
66	300	333

CO

[illegible]

5366 – 5 Req Ni Req Fe —
21% one gram aluminum + 2
[illegible] Cyanide [illegible]
Palladium [illegible]

5367	Center	94	Edge	[illegible]–104
	Center	92	Edge	104–105
5368	Center	93	Edge	103–107
5369	Center	92	Edge	104–104
5370	Center	91	Edge	104–105

5374	104	150	100
73	66	85	[illegible]
72	167	85	100
71	112	155	107
70			

5371 – Take the 4 cells Edison has ~~[illegible]~~ of the 4827 group and Empty the solution out & put in Regular KOH, & set them in water bath 150 Fahr 10 hours then Empty the 21% & put in fresh 21% then Chge 15 hours 200 dis 100

5372

5373

5374

This is 30% Silicate Soda

				52 Bunsen End	56	57
5379	455	4[illegible]	478		563	528
78	453	4[illegible]1	475		533	519
77	452	481	478		525	515
76	446	468	463			
75	449	474	474			

5375 5 ft [illegible] [illegible],
2 lbs + 2 oz of [illegible] [illegible]
in [illegible]
[illegible] 5 h 200 dis 100
[illegible] 91 [illegible] 103 – [illegible]

5376 ... 85 Edge 102 – 102

5377 ... [illegible] ... 104 – 102

5378 ... [illegible] ... 104 – 102

5379 ... 72 ... 105 – 103

5384	455	471	463
83	465	479	471
82	472	488	[illegible]
81	467	486	460
80	457	470	465

5380 — 5 Rey nickel, with
21% and 1 cc of [illegible] ammonia
Chg 15 h 200 deg 100 at

92 ...... 103 — [illegible]

5381 ...... 92 ...... 104 — 106

5382 ...... 94 ...... 102 — 105

5383 ...... 94 ...... 101 — 103

5384 ...... 93 ...... 102 — 104

5388½	358	[illegible]
88	355	267
87	365	268
86	355	270
85		

5385 5 [illegible] Ni – 21% Containing
~~15~~ 2 grams [illegible] Iodide Potassium [illegible]
Soak the 5 nickels in the solution for
24 hours — Then put in large
quantity of 1½% KOH, & soak
16 hours, Then assemble in
Cells with [illegible] Iron & [illegible]
No mercury in iron with 21%
Containing 500 milligrams Iodide of
Potassium to each cell —
[illegible] 15th [illegible] volts [illegible]
[illegible] Edge [illegible]

5386
Center [illegible] Edge [illegible]

5387
[illegible] Edge [illegible]

5388
[illegible] Edge [illegible]

5388½
Center [illegible] Edge [illegible]

5393	425	423		
92	409	[illegible]		
91	390	423		
90	390	423		
89	380	411		

5389 5 Reg Ni (the group [illegible])
in Solution of 21% Containing 2 grms
of Cyanide of Potassium Per Cup —
24 hours then put in larger
quantity of 1½% KOH, 6 hours
Then made 300 in Cells
with Reg wires, 21% no cyanide —
Chg 15th 200 dis 100
[illegible] 91 [illegible] 102 + 102

5390
[illegible] 95 [illegible] 100 + [illegible]

5391
[illegible] 91 [illegible] 104 + 104

5392
[illegible] 92 [illegible] 102 + [illegible]

5393
[illegible] 92 [illegible] 102 + 103

5398	325	257
97	327	257
96	327	243
95	326	247
94	327	237

5394 – Put up 5 cells with
Reg Nickel + Iron, put in each
cell 2 grammes Iodide for [illegible]
dose 21% KOH put cells in hot water
bath 24 hours 150 deg
Then pour out KOH, put in fresh
KOH no Iodide – soak hot 3 or 4
hours pour out again + add
fresh soak again hot 3 or 4
hours, then add ~~[illegible]~~ 21%
+ Chg 15 h 200 dis 100
Center 98 Edge 104 + 106

5395
Center 99 Edge 105 + 105

5396
Center 92 Edge 102 + 105

5397
Center 93 Edge 105 + 103

5398
Center 95 Edge [illegible]

5399–

S.L. # 3810 $\frac{a}{\text{[illegible]}}$ $\frac{c}{\text{[illegible]}}$

5400

S.L. # 3811 $\frac{a}{74}$ $\frac{c}{90+91}$

5402	937
01	943

5401

S.L. # 3812 $\frac{C}{63}$ $\frac{E}{84+85}$

5402

S.L.# 3813 $\frac{C}{64}$ $\frac{E}{84+86}$

5407	488	500	486
06	488	[illegible]	486
05	489	477	488
04	490	477	492
03	490	478	488

5403 5 Req Ni - 21% Containing 3 grammes Metaphosphate Potash or Sodium — per cell
Chg 15 h 200 dis 100

	Center	Edge
	94	103-104
5404	91	101-101
5405	88	99-101
5406	91	102-100
5407	92	100-103

5412	482	497
11	475	500
10	482	492
9	476	467
8	465	

5408 5 Rag Ni soaked in Acetone 6 hours then dried & put in 21% Chg 15 h 200 dis 100

	91	103 — 103
5409	94	102 — 108
5410	92	106 — 104
5411	91	103 — 103
5412	93	105 — 102

5417	466	472
.16	473	482
15	463	—
14	463	477
13	464	480

5413 5 Reg nickels soaked in Chloroform 6 hours then dried and put in 21% Chg 15 hours 200 dis 100

	96	107 — 105
5414	95	105 — 107
5415	95	104 — 105
5416	92	102 — 103
5417	93	102 — 106

5422	467	485
21	472	484
20	467	485
19	467	483
18	467	483

5418 5 Reg nickels soaked 6 hours in C.P. Methyl alcohol – (wood alcohol) 98% then dried & put in 21% Chg 15 hours 200 dis 100

5418	93	104 — 104
5419	93	101 — 104
5420	91	102 — 103
5421	94	104 — 105
5422	92	105 — 103

5427	460	485
26	48[illegible]	492
25	46[illegible]	465
24	[illegible]	479
23	[illegible]	494

5423 5 Reg nickels soaked 6 hours in grain alcohol then dried then put with Irons that have also been soaked in grain alcohol 6 hours & dried. Then assemble in cells with 21%

Chg 15 h. 200 dis 100

	92	104 — 105
5424	93	103 — 105
5425	100	114 — 112
5426	93	106 — 103
5427	92	103 — 104

5428	458	487			
29	457	500			
30	455	491			
31	457	489			
32	457	500			

5428 5 Reg nickels
Soaked in a mixture of
Equal parts of Benzol &
absolute grain alcohol
6 hours then dried &
put in 21% —
Chg 15 h 200 dis 100

	95	105 — 107
5429	95	104 — 105
5430	94	106 — 106
5431	94	105 — 103
5432	93	105 — 105

5437	472	493
36	[illegible]	497
35	477	500
34	[illegible]	500
33	[illegible]	505

5433, Dup of. 5428 –
Except 21% KOH, in sum CC.
Cells made from stick
potash –
Chg 15 h 200 dis 100

5434	[illegible] 95	[illegible]	106 – 104
	[illegible] 94	Ed–	106 – 105
5435	[illegible] 93	[illegible]	105 – 105
5436	[illegible] 94	[illegible]	105 – 105
5437	[illegible] 93	[illegible]	105 – 104

5442	467	492	500	490	483
41	467	492	507	492	481
40	467	500	507	495	490
39	473	497	500	492	482
38	473	507	517	496	492
	469	499	506		

5438 5 Reg Nickels soaked
in closed bottle 24 hours
in grain alcohol –
Then dried & pull in 21%
Chg 15 [illegible] 200 d in 100

	93	107 – 103
5439	94	106 – 105
5440	93	104 – 106
5441	92	103 – 103
5442	91	103 – 105

~~5443 Group of Reg ni~~
~~using Reg Dies –~~
~~5 at 5mith press 5 at Corrugate~~
~~Chg 1"~~

5447	185	167
46	200	173
45	210	173
44	222	257
43	215	187

5443 – 5 Ni Corrugated with big corrugations 160 atmos & put in 21% containing 500 milligrams Aluminum in Each cell —
Chg 15 h 200 dis 100
Center [illegible] Edge [illegible]

5444
Center [illegible] Edge [illegible]

5445
Center [illegible] Edge [illegible]

5446
Center [illegible] Edge [illegible]

5447
Center [illegible] Edge [illegible]

5452	167	91
51	128	80
50	190	133
49	232	50
48	50	50

CO —

I find that the swell is so great it pulls Crimp out — hence the big Corr are ng —

5448 — 5 in big Corrugations
10 atmos and Reversed Perforations
Charged & discharged in 33%
Chgd 15 h 200 dis 100
Center 101 Edge 95 + [illegible]

5449
Center 100 Edge 89 + 92

5450
Center 96 Edge 90 + [illegible]

5451
Center 110 Edge 90 + 9½

5452
Center 103 Edge 75 + [illegible]

5457	324
56	30
55	306
54	320
53	130

*

5453 Dup of 5448
Except 20 [illegible]

Center 118 edge 111 - 116

5454 Center 116 Edge 107 - 107

5455 Center 121 edge 113 - 109

5456 Center 118 Edge 109 - 109

5457 Center 121 Edge 113 - 111

5462	243
61	375
60	333
59	334
58	267

*

5458 Dup of 5448
Except 40 atmospheres

	116	107	106
5459	115	107 —	109
5460	111	108 —	110
5461	112	109 —	107
5462	114	104 —	107

~~5463~~

5467	400
66	368
65	399
64	372
63	330

✓

5463 – Dup of 5448

Except 80 alveo phones.

	112	110 – 108
5464	109	105 – 106
5465	110	105 – 106
5466	111	108 – [illegible]
5467	110	104 – 105

5472	457	517	555	567	585
71	458	[illegible]	533	557	600
70	457	425	SC	513	575
69	457	511	547	560	600
68	457	516	558	574	628
		493			

9)2 8 6

7)2467
493

*

5468 Dup of 5448
Except 160 atmos

	102	100 - 102
5469	105	101 - 101
5470	103	100 - 99
5471	103	101 - 98
5472	105	102 - 102

					56	57
5477	453	507	567	52 Ames on End.	518	567
76	453	507	532		532	577
75	463	499	517			
74	452	495	539		528	595
73	453	513	528			
	454	504				

5)2521
504

5)2274
455

5473 Dup of 5448
Except 200 atmos.

	103	97 - 99
5474	101	98 - 97
5475	97	96 - 94
5476	99	97 - 98
5477	103	97 - 95

					56	57
5482	467	509	SC	[illegible]		
81	478	520	545		557	617
80	440	498	527		500	566
79	447	473	522		488	550
78	423	482	490			
	451	496				

5)2255 = 451

5)2482 = 496

5478 Dup of 5448 —
Except 250 columns

	101	97 — 95
5479	99	96 — 98
5480	101	95 — 97
5481	99	97 — 95
5482	96	95 — 95

					56	57
5487	[illegible]	497	515	[illegible]		
86	452	497	530		520	553
83	[illegible]	517	523		547	632
84	447	491	527		518	533
83	445	459	498			
	449	492				

5)2246
449

5)2462
492

5483 Dup of 5448
Except 300 atm

	98	95 — 95
5484	95	92 — 95
5485	94	92 — 90
5486	96	92 — 92
5487	95	91 - 91

							58	59
5492	450	493	507	503	50[illegible]	[illegible]		
91	477	493	503	500	505		533	522
90	467	493	503	508	495		535	514
89	4[illegible]	490	49[illegible]	495	490		528	510
88	4[illegible]	493	497	500	495			
	461	492	501	501	496			

5)2304
461

5)2462
492

5)2506
501

2506

5488 — 5 Reg Ni
21% Containing 3 grams
Borax —
Chg 15 h 200 [illegible] 100
Cent 54 [illegible] 105+102

5489
[illegible] 92 [illegible] 104+104

5490
[illegible] 96 [illegible] 10[illegible]

5491
[illegible] 92 [illegible] 105+[illegible]

5492
Cent 94 [illegible] 10[illegible]

~~5493 5 Reg Ni soaked~~
~~6 Hours in Aldehyde~~
~~then dried put in B1%~~
~~Chg 15 h 206 des 100/~~

~~5494~~

~~5495~~

~~5496~~

~~5497~~

5[illegible]	489	492.	492		
	493	508	500		
55[illegible]	491	506	[illegible]		
499	487	498	[illegible]		
98	487	499	492		
467					

5498 5 Reg Nickels
Soaked 6 hours in Ether
then dried put in 21%
Chg 15 h 200 dis 100

5499	94 92	105 – 106 104 – 102
5500	93	105 – 103
5501	97	108 – 105
5502	94	104 – 104

[illegible]	.476	499	518	503	490
	[illegible]	503	527	510	496
[illegible]	[illegible]	497	490	457	[illegible]
04	[illegible]	487	497	490	[illegible]
03	[illegible]	487	492	492	[illegible]
	.473				

5503 5 Reg Ni soaked 6 hours in gasolene then dried & put in 21% Chg 15 h 200 dis 100

5504	94 93	105 — 105 105 — 104
5505	92	102 — 105
5506	95	105 — 107
5507	93	105 — 106

5512	435	445
11	443	455
10	452	477
9	458	470
8	461	477
	449	463

5)2249
449

5)2317
463

5508 5 Req. ns 21% Containing
3 grammes Chloral hydrate
Chg 15 h 200 [illegible] 100 Each cell
[illegible] [illegible] Edge 103 + 104

5509
Center [illegible] Edge 103 + 105

5510
Center 92 Edge 105 & 107

5511
Center 92 Edge 104 + 104

5512
Center 89 Edge 99 + 100

5517	[illegible]	420	428	422
16	352	408	403	400
15	50	323	458	[illegible]
14	417	452	445	435
13	50	433	428	[illegible]

after assembly let it rest 10 hours

5513 5 Reg Ni 21%
Containing 3 grammes
Carbonate Bismuth, each cell
Chg 15 h 200 dis 100 —

5514	93 95	104 – 104 104 – 105
5515	95	104 – 106
5516	93	102 – 105
5517	94	104 – 105

				55	56
5522	480	485	Go Over to End	533	517
21	484	[illegible]		542	523
20	487	495		533	[illegible]
19	487	480			
16	484	483			
	482	487			

5)242 / 482   5)2434 / 487

after assembly let it rest 16 hours

5518 5 Reg Ni 21%
Containing 3 grammes
Carbonate Strontia in each
Cell.
Chg 15 h 200 dis 100
Center 91 Edge 104 + 104

5519
Center 91 Edge 105 + 102

5520
Center 91 Edge 104 + 104

5521
Center 91 Edge 103 + 104

5522
Center 93 Edge 105 + 105

				55	54	
5527	488	463	[illegible]			
26	490	486		542	510	
25	480	477				
24	485	491		527	513	
23	485	491		522	505	
	485	485				

$5\overline{)2428}$ 485

$5\overline{)2428}$ 486

after assembly let it rest 10 hrs

5523 - 5 Reg Ni 21%
Containing 3 grammes
Carbonated Cerium in each cell
Chg 15 h 200 dis 100
Center 90 Edge 105 + 105

5524
Center 94 Edge 103 + 106

5525
Center 91 Edge 103 + 104

5526
Center 92 Edge 104 + 105

5527
Center 94 Edge 104 + 104

5532	467	455
31	471	[illegible]
30	472	[illegible]
29	467	[illegible]
28	469	[illegible]

after assembly let it rest 10 hours

5528 – 5 Reg Ni 21%
Containing 3 grammes
Carbonate Uranium in each
Cell –
Chg 15 h 200 dis 100

	Center	Edge
5529	92 93	101–101 99–100
5530	91	104–105
5531	89	99–101
5532	87	100–100

5537	577	583	438	400	467			
36	587	589	511	458	[illegible]			
35	587	586	502	500	400			
34	590	610	533	300	400			
33	[illegible]	596	533	267	533			
	575	593						

5)2874
575

5)2964
593

5533 5 Reg Mi soaked 6 hours in grain alcohol then dry & put in 21% containing 3 grammes Cyanide of Potassium, in each cell
Chg 15 h 200 dis 100 —

Centre 94 Edge 106 — 110

5534 Centre 96 edge 106 — 105

5535 Centre 93 Edge 105 — 106

5536 Centre 95 Edge 106 — 106

5537 Centre 78 Edge 105 — 106

5542	256	455	439
41	281	488	468
40	275	440	457
39	283	485	465
38	400	500	465
	299	481	

5/11 / 299

5/12 / 481

5538 — 5 Reg Nickels soaked 6 hours in grain alcohol then Dried. The wool that go with them also soaked in alcohol 6 hours & dried — then weighed & Ca & put in cells containing 21% with 3 grammes Cyanide of Palladium in each cell

Chg 15 h 200 then 100

	Center	95	Edge	104–103
5539	Center	95	Edge	105–106
5540	Center	95	Edge	106–99
5541	Center	93	Edge	104½–104
5542	Center	95	Edge	104–106

5547	457	495
46	462	492
45	462	490
44	457	492
43	[illegible]	490
	461	

4)2307
461

5543 5 nickels first soaked 6 hours in Benzol & dried, then soaked 6 hours in grain alcohol & dried, then put in 21% Chg 15 h 200/in 100

Center 94 Edge 105—106

5544 Center 94 Edge [illegible]—108

5545 Center 95 [illegible] 106—102

5546 Center 95 Edge 104—104

5547 Center 90 Edge 105—102

5552	557	530	592	333	300
51	553	430	574	395	297
50	54[illegible]	555	500	767	233
[illegible]	[illegible]	510	592	365	310
		462	333	262	179
	534	538			

5)2672
534

5)2690
538

5548 Dup of 5543—
Except the 21% has
3 grammes Cyanide of
Potassium in Each cell
Chg 15h 200 dis 100 —

5549 center 101 edge 111—112
center 96 edge 107—104

5550 center 94 edge 106—104

5551 center 93 edge 105—103

5552 center 95 edge 108—106

5557	583	590	500	438	433
56	592	610	512	407	500
55	582	610	533	212	433
54	593	588	400	438	407
53	583	590	367	375	452
	586	597			

~~5)2933~~

5)2988
597

5553 — 5 Kg Ni
21% Containing in Each cell
3 grammes Carbonate Lime
freshly precip — & 3 grammes Cyanide Potass
Chg 15th h 200 dis 100
Inside 91 103 — 101

5554 Inside 93 edge 104 — 105

5555 Inside 93 edge 106 — 101

5556 Inside 95 Edge 104 — 103

5557 inside 93 edge 105 — 103

[illegible]

5562	500	[illegible]	494	[illegible]	[illegible]	503	[illegible]
61	472	490	495	[illegible]	50[illegible]	507	506
60	464	477	494	[illegible]	[illegible]	500	[illegible]
59	482	490	495	499	499	500	[illegible]
58	475	490	495	[illegible]	500	505	[illegible]
	479	486	495	[illegible]	495		

		60	61
5562	[illegible] Burned	547	523
61		552	529
60		547	522

5558 — 5 Reg Ni put in bottle
was glass stopper [illegible]
fill with grain alcohol -
put on hot plate 6 hours
not over 125 [illegible]
set it on wood ~~[illegible]~~ use
6 or 8 oz bottle [illegible]
with RO, [illegible] 21%
Chg 15 / h 200 [illegible] 100

5559	96 93	107 — 107 105 — 103
5560	93	[illegible] — 105
5561	[illegible]	103 — [illegible]4
5562	93	104 — 104

5567	392?	333	342	433
66	415	373	205	195
65	442	452	339	333
64	443	467	396	397
63	458	477	~~[illegible]~~	[illegible]
	429	420	320	339

5563 solution spilled

4)1358
339

4)1281
320

5)2144
429

5563 — 5 Reg Ni in 21%
Made from Iodide Potassium
Containing No Barium —
Use one gramme of Iodide
Potassium — Known to have **no** Mercury
Chg 15 to 200 dis 100

5564	93 91	105 — 105 101 — 106
5565	94	107 — [illegible]
5566	92	105 — 103
5567	92	105 — 105

200 milgms to each cell

5572	487	459	107	100
71	487	459	95	100.
70	Broken –			
69	SC.	367	5	5
68	S.C	459	3	3

These cells were assembled wrong and had 15 hrs. reverse before the mistake was found. The poles were then reversed and cells run reg. — W.E.H.

5568 — 5 Reg with Mercury 1/8 inch in bottom ~~with~~ Saturated with Zinc — in the Solution [illegible]t one gram aluminum 21%
Use Jumbo Pero' — Chg 15 h 200 dis 10[illegible]

5569 [illegible] 104–104
[illegible] 104–103

5570 12 100–107

5571 92 104–102

5572 44

200 mg Exhaust

5577	560		
76	572	459	
75	5	[illegible]	
74			
73			

5573 5 Req Ni – 21%
Containing 2 grammes Hypochlorite
of Potassium per Cell.
Chg 15 h 200 dis 100

5574

5575

5576

5577

						57 Bone [illegible]	58	59
5582	460	507	498	487	502		537	51
81	476	507	497	483	500		531	51
80	460	509	492	480	492		547	51
79	466	503	487	476	492			
78	[illegible]	505	493	[illegible]	483			
	463	505						

5)2317
463

5)2526
505

5578 5 Reg Ni 21%
Containing 2 grammes Antimoniate of Potash or Sodium -
Chg 15 h 200 dis 100

5579 94 105 - 103
96 105 - 108

5580 96 103 - 108

5581 94 106 - 104

5582 94 105 - 104

400 mlg each cell

					57	58
[illegible]	[illegible]	476	498	482		
		478	490	488		
[illegible]		[illegible]	500	496	538	517
[illegible]		[illegible]	491	488	503	492
[illegible]		482	[illegible]	495	527	510

5583 5 Reg Ni. 21% with 5 gramme
powdered Lead glass through
150 mesh or nearest thereto
Have Dally make it use 5
grammes in each cell.
Chg 15 h 200 dis 100

	Center	Edge
5584	90 90	101-99 100-99
5585	93	103-103
5586	88	100-100
5587	90	104-102

					57	58
559[illegible]	487	487	481	478		
91	480	475	474	473	552	515
90	493	492	46[illegible]	465	5[illegible]	541
89	442	487	461	478	5[illegible]	527
88	457	457	46[illegible]	469		

52 Commenced

5588 5 Nickels with 21%
Containing 1 gramme
Selenate of Potash or Soda per Cell
Chg 15 h 200 dis 100

5589	94 96	107 – 106 105 – 106
5590	96	107 – 106
5591	97	107 – 108
5592	92	104 – 105

					57	58
5597	467	463	458	453		
96	456	430	426	423		
95	464	460	459	458	530	506
94	466	461	456	463	557	515
93	462	457	452	453	537	508

57 Ohms on End

5593 – 5 Req N 21% containing 1 gramme Tellurate of Potassium or Sodium – Chg 15h 200 dis 100 [illegible]

5594	96 97.	105 – 107 97 – 104
5595	95	103 – 106
5596	95	106 – [illegible]
5597	94	105 – 106

Why in hell dont you state which you use Sodium or Potassium

5 5604	491	491	491	492
01	[illegible]	486	481	487
00	467	464	486	469
5599	[illegible]	483	486	486
98	[illegible]	481	481	480
	467			

5) 2334
467

5598 5 Reg M 21% Containing
30 Milligrammes Lead Hydroxide +
Chg 15 h 200 dis 100 –

	92	103 – 104
5599	93	103 – 104
5600	95	107 – 103
5601	95	105 – 103
5602	96	105 – 104

6 wlgts Cell

5 56[illegible]	395	467	463	467
6	424	466	460	467
[illegible]	429	472	468	467
4	[illegible]	467	[illegible]	472
5	412	464	460	467
	407	469		

These cells [illegible] that
when [illegible] the solution
[illegible] empty. [illegible]
[illegible]

5)2036
407

5)2346
469

5603 5 Reg Ni · 21% with
one gramme Albumen—
Chg 15 h 200 dis 100

	91	104 — 104
5604	92	105 — 103
5605	91	103 — 101
5606	94	106 — 105
5607	91	105 — 102

200 mlg each cell—

						[illegible]	58
5612	[illegible]	502	469	481	[illegible]		
11	[illegible]	502	467	481			
10	[illegible]	502	[illegible]	481		[illegible]	523
9	[illegible]	507	[illegible]	482		552	523
8	[illegible]	505	[illegible]	482		[illegible]	515
	460	503					

5608 5 Reg Ni 21% with
2 grammes Oxalic acid...
Chg. 15° h 200 [illegible] 100

	94	106 – 104
5609	92	104 – 106
5610	96	[illegible] – 105
5611	95	105 – 107
5612	93	103 – 105

400 mlg Each cell

						57	58
5617	465	505	500	475	[illegible]		
16	465	507	503	500		549	527
15	459	495	495	496		552	532
14	465	509	505	500		558	533
13	461	503	497	496			
	461	504	[illegible]				

5)2305
461

5)2522
504

5613 — 5 Reg Ni 21%
3 grammes formate of Potash
or Soda
Chg 15 h 200 dis 100

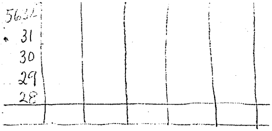
5614	92 95	103 — 105 106 — 105
5615	90	101 — 105
5616	95	107 — 105
5607	93	104 — 104

600 mlg each cell

5622	474	471	470	465	[illegible]	57	58
21	487	485	489	481			
20	483	476	482	481		561	492
19	484	485	489	486		559	531
18	463	464	467	440	6³	567	540

5618. 5 Reg Ni 21% with
3 grammes succinic acid [illegible]
CHg 15 h 200 dis 100

5619	93 94	[illegible]—106 105—104
5620	90	101—98
5621	92	104—104
5622	93	104—107



5628 5 Reg M 21%
On – 20. Mesh –
Chg 15 hours 20 dis 100

5629 [illegible] .091 [illegible] 115–125
[illegible] .094 [illegible] 106–107

5630 [illegible] .092 [illegible] 106–106

5631 [illegible] .093 [illegible] 115

5632 [illegible] .095 [illegible] 107–105

5637	508	484	502	492	491
36	507	497	495	482	481
35	511	495	502	492	492
34	507	495	502	490	492
33	507	492	497	487	486
	508	492	499	488	488

5)2463
492

5)2498
499

5)2443
488

5)2442
488

5633 5 Reg M 21%
through 20 on 40 mesh.
Chg 15h 800 dis 100

5634 .092 10[illegible]
.092 103-106

5635 .094 105-107

5636 .091 104-104

5637 .091 105-106

5642	486	473	490	476	475			
41	475	463	473	464	465			
40	472	461	470	465	462			
39	474	464	471	465	462			
38	477	463	477	467	467			
	477	465	476	467	464			

5)2337 467

5)2324 465

5)2381 476

5)2321 464

5638 – 5 Reg Ni 21%
Through 40 on 60 mesh
Chg 15 h 200 dia 100

[illegible] .089 [illegible] – 101

5639 [illegible] .092 [illegible] 106 – 102

5640 [illegible] .094 [illegible] – 106

5641 [illegible] 103 – 107

5642 [illegible] 107 – 103

5647	470	457	464	452	455		
46	459	457	470	454	467		
45	467	465	477	470	472		
44	481	445	SC	SC	456		
43	479	417	442	425	433		
	471	448	463	450	456		

5)2241 448

4)1853 463

5)2283 456

4)1801

5643 — 5 ni 21%
Through 60 on 80 mesh
Chg 15 h 200 dis 100.
[illegible] .096 Edge 105–110

5644 [illegible] .092 Edge 104–[illegible]

5645 [illegible] .09[illegible] Edge 104–108

5646 [illegible] Edge 105–107

5647 [illegible] .092 Edge 103–106

5652	447	475	457	457
51	450	480	462	467
50	450	SC	453	[illegible]
49	450	453	433	432
48	445	472	452	453
	438	467	451	453

5)22[illegible]

5)1880
467

5)2257
451

5648 5 m 21%
Through 80 on 100 mesh
Chg 15 h 200 [illegible] 100

5649 [illegible] [illegible] — 105
[illegible],094 [illegible] 106 — 104

5650 [illegible] [illegible] 106 — 106

5651 [illegible] [illegible] 107 — 106

5652 [illegible] [illegible] 109 — 105

5657	400	373	307	299	283
56	400	338	282	217	167
55	[illegible]	200	100	65	244
54	400	440	413	403	[illegible]
53	373	333	300	271	[illegible]
	384	337	280	250	234

5)126[illegible] / [illegible]
5)1684 / 337
5)1402 / 280
5)1171 / 234

5653 — 5 m – 21%
Through 100 on 120 mesh
Chg 15 h 200 chs 100
[illegible] .09 edge 107–108

5654 [illegible] .093 edge [illegible]

5655 [illegible] edge [illegible]–109

5656 [illegible] Edge .10 – 108

5657 [illegible] Edge [illegible]–110

5662	350	279	230	117	[illegible]
61	357	189	141	159	
60	313	253	218	187	
59	213	76	30	7	
58	332	282	247	220	
	313	215	173	124	113

5 | 564
113

5 | 1079
213

5 | 866
173

5 | 720
124

5658 — 5 m 21%
Through 120 on 140 mesh ✓

Chg 15 h 200 dis 100
[illegible] 1097 [illegible] [illegible] – 110

5659 [illegible] 1092 [illegible] [illegible] – 108

5660 [illegible] 1096 [illegible] 110 – 109

5661 [illegible] 1095 [illegible] 107 – 108

5662 [illegible] 1094 [illegible] 106 – 108

5667	383	385	350	324
66	299	188	133	92
65	315	245	218	200
64	357	325	300	297
63	320	258	200	175
	335	280	240	217

5)1401
280

5)1054
21

5)1201
240

5663— 5 m 21%
Through 140 on 160 mesh
Chg 15th 200 dns 100
[illegible]

5664
90 104 + 105

5665
95 107 + 107

5666
95 105 + 106

5667
91 105 + 107

5672	250	153	107	77
71	453	465	437	427
70	317	276	247	239
69	276	191	147	112
68	167	29	5	3
	292	223	189	171

5)1114
223

5)943
189

5)858
171

5668 5 Ni 21%
Through 160 on 180 mesh
Chg 15 h 200 [illegible] 100
[illegible] 76 [illegible] 165 + 107

5669
[illegible] 94 [illegible] 168 + 107

5670
[illegible] 92 [illegible] 164 + 166

5671
[illegible] 90 [illegible] 164 [illegible]

5672
[illegible] 98 [illegible] 166 – 165

5673 —

S, L, # 3814 $\frac{C}{70}$ $\frac{S}{87+90}$

5674

S L # 3815 $\frac{C}{72}$ $\frac{S}{8\text{[illegible]}0}$

5675

S.L. # 3816 $\frac{C}{65}$ $\frac{E}{82+82}$

5676

S.L. # 3817 $\frac{C}{66}$ $\frac{E}{81+82}$

5678	227	265	322	350	350	353	383
5677	401	405	417	420	403	404	398

[illegible]	349	367	317	345	335
17	393	400	383	392	400

D

~~5678 not pricked~~

~~5677 is the one with Holes pricked in - again soaked all night Warm alcohol -~~

5677 = Old 157 Soaked in Warm Ethyl alcohol 24 hours, 21% Req tran

Chg 15 h 200 clw 100

5678 - Old 26 cell -

Single packet soaked 24 hours in warm Ethyl alcohol - 21% -

Chg 15 h 200 clw 100 -

see 5736 + 5737

also 5977 + 5978

5683	405	406	289	132		
82	408	400	280	132		
81	398	381	262	132		
80	402	399	297	132		
79	[illegible]	375	267	200		
	403	392				

5 | 2018
403

5 | 1961
392

5679 5 Reg Ni 21%
Containing one gramme of
Stannate of Soda or Potash +
500 milligrammes of Aluminium
dissolved in the KOH, divided among all cells
Chg 15 h 200 dis 100
Centre 92 [illegible]

5680 Centre 92 [illegible]

5681 Centre 94 [illegible]

5682 Centre 92 [illegible] 103 + 103

5683 [illegible] 93 [illegible] 102 + 103

5688	240
87	242
86	242
[illegible]	243
84	242

5684 — 5 Reg the 21% Containing one gramme Aluminum and 4 grammes of powdered Nickel Hydroxide (green) through 100 mesh each mix & put the Nickel hydroxide in the 21% Containing the Aluminum & let it soak 10 hours before putting in the Grids —
Chg 15 h 200 — [illegible] 100.

5685	93 92	103 — 105 107 — 102
5686	94	108 — 106
5687	93	108 — 107
5688	93	105 — 104

5693	267
92	258
91	258
90	242
89	242

5689 — 5 Ni 21% Containing
500 Milligrammes of Aluminum —
Then put in Three grammes each cell
freshly precipitated Barium Carbonate
and let Solution stand 24 hours —
Chg 15 h 200 dis 100 —

5690 [illegible] 107 — 107
95 [illegible] — 104

5691 96 107 — 104

5692 96 102 — 101

5693 95 [illegible] — 105

5698	471	485	469	487	492	495
97	470	471	[illegible]	488	491	[illegible]
96	470	482	478	489	490	[illegible]
95	467	480	[illegible]	487	490	490
94	464	478	[illegible]	488	490	[illegible]
	478	480	[illegible]	489	490	[illegible]

	59	60
5696	542	513
95	518	505
94	538	510

5)2392 478

5)2402 480

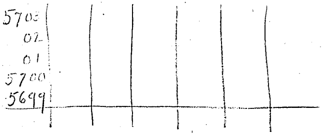
5)2439 469

5)2453 490

2450 490

5694 5 Reg Ni – 21% Cont
3 grammes of clear mica powdered
~~up~~ to 1/8 ~~or~~ smaller —
Chg 15 h 200 cl 100

5695	94 91	104–106 10[illegible]–104
5696	94.	105–101
5697	92	104–103
5698	90	102–100



5699 — 5 ni 21% in Tumbler
& 3 grammes of grafite
from one of the little bottles
with screw top — put the grafite
in a ~~[illegible]~~ cup & press lightly
so it will not float out of
Crown cells —

5700

5701

5702

5703

5708					
07					
06					
05					
04					

Soaked in Hot alcohol

5704 5 Nickels Soaked 6 hours in Hot grain alcohol then dried 3 hours hot plate put in 13% Solution of Sodium Hydrate made from metallic Sodium —
Chg 15 h 200 dis 100

5705 —

5706

5707

5708

5713	461	467	474	453	[illegible]
12	467	476	485	456	[illegible]
11	453	467	482	457	[illegible]
10	441	455	472	464	[illegible]
9	450	458	467	443	481
	454	464	476	[illegible]	493

5)2272
454

5)2323
464

5)2380
476

5709 – 5 gibbs pockets polished at Edge so make Contact put in frames but dont press — Soak 10 hours in 21% Containing 3 grammes Hypophosphite of Soda or Potash, small. Then put in water in a little cell 40 hours — Then assemble in cells Reg fresh 21% Chg 15 h 200 dis 10.0

Did not [illegible]

5710

5711

5712

5713

5718	261
17	265
16	272
15	280
14	272

5714 — 5 M 21% Containing 500 milligrammes of aluminum & 2 grammes of freshly precipitated Carbonate of Magnesium
[illegible] 15 h 200 d., 100 each [illegible]

5715	88 93	102 — 101 105 — 101
5716	93	104 — 101
5717	90	101 — 102
5718 —	89	101 — 99

5723	489	495	508
22	489	493	508
21	485	[illegible]	498
20	492	498	509
19	496	496	504

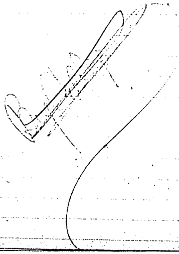
5719 = 5 nickels pressed with big corrugation die only 300 atmosphe
Then soaked grain alcohol 6 hours
Then dried 2 hours on heater = 21%.
Chgd 15 h 200 dis 100

	95	95 – 98
5720	98	94 – 94
5721	96	95 – 95
5722	96	93 – 95
5723.	98	93 – 95

5728	0	497	492	497	500	464
27	0	433	429	506	511	496
26	0	[illegible]	467	[illegible]	507	497
25	0	479	502	[illegible]	507	495
24	0	456	493	511	514	[illegible]

52 Burns on Back,

	59	60
5727	580	552
25	598	550
24	605	552



Longi Coryton 300 atmos

5724 = ~~5/Kts~~ Same as 5719 —
Except, after alcohol treatment
put in little cells with 2 1/0
Containing 2 grammes / Seven
Hypophosphite of Soda or Potash
CHg 15 h 200 dw 100 —

5725	100 100	~~96~~ — 97 98 — 95
5726	100	94 — 97
5727	99	95 — 97
5728	99	96 — 98

5733	522	535	[illegible]	[illegible]	[illegible]	
32	507	[illegible]	467	[illegible]	[illegible]	
31	481	495	452	[illegible]	[illegible]	
30	530	515	492	523	[illegible]	
29	495	520	467	520	333	

Large Corrugations – 300 atmos,

5729 = Same as 5719 —
Except that after alcohol treatment, put 21% in little cells containing 2 grams Cyanide of Potassium per cell.
Chg 15 h 200 dis 100

5730	97 102	94 — 92 100 — 95
5731	99	95 — 97
5732	99	95 — 94
5733	97	95 — 95

5735	390
34	375

5734

S.L. #3818 $\frac{d}{76}$ $\frac{c}{91+92}$

5735

S.L. #3819 $\frac{d}{75}$ $\frac{c}{90+91}$

5736
5737

~~[illegible]~~

5736 Old pockets from little Endurance Cell No 26 — Soaked in warm alcohol all night = ~~[illegible]~~ ~~[illegible]~~ Then dried 3 hours on hot plate, then assembled with Reg Grav 21%
Chg 15 – h 200 dis 100 —

5737 — Same as 5736 — but soaked in Benzol instead of alcohol,

5742					
41					
40	255	167			
39	267	212			
38	259	242			

No iron pockets

5738 - 5 Reg M 21% —
Containing 500 milligrammes of
Aluminum flakes + Run with 3.2
grammes of Cadmium hydroxide per
~~[illegible]~~ dried at gentle heat, ~~21~~ cell
Chg 15 h 200 dis 100
To each 3.2 of CdOH add
250 milligms dry Mercuric
oxide & mix it with the
Cadmium Oxide —

5739 W.

5740	93	104 - 101
5741	90	105 - 107
5742	86	108 - 104
5738	78	107 - 10[illegible]
5739	92	104 - 102

5747	275	203	157
46	282	215	177
45	280	203	163
44	281	200	164
43	277	204	165

5743 = 5 Reg Ni 21% Containing 500 mlg Aluminum
Run with 3.2 grammes Metallic Cadmium in each cup. file the Cadmium
to about 20 mesh
Chg 15 h 200 dis 100

5744	94 93	107 – 108 103 – 105
5745	94	106 – 109
5746	92	104 – 105
5747	92	105 – 105

5752	[illegible]
51	[illegible]
50	327
49	332
48	341

5748 5 Req M 21%
Containing ~~25~~ 250 milligrms
of Aluminum + 1 gramme of
Silicate of Soda — Se.. Cell
Chg 15h 200 dis 100

5749 93 104 — 103
92 104 — 106

5750 98 101 — 2

5751 92 100 — 106

5752 92 103 — 102

5757				
56				
55				
54				
53				

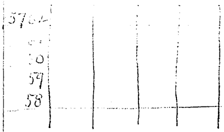
5753 = 5 Reg Ni in 13% Solution of Sodium Hydrate made from the metal & containing 250 milligrammes of Aluminum + 2 grammes of freshly precipitated Carbonate of Magnesia — Each cell Chg 15 h 200 dis 100

5754

5755

5756

5757



Sodium Hydrate made from the Metal

5758 5 ni 13% cc 6
Sodium Hydrate containing
250 Milligrams aluminium +
1 gramme of fresh Calcium
Hydroxide. Each cell
Chg 15 h 200 dis 100

5759

5760

5761

5762

5767
66
65
64
63

5763 = 5 Reg Ni with big Corrugations 250 atmosph – 13% Sodium Hydrate made from the metal,
Chg 15 h 200 dis 100,

5764	100 101	97 — 98 96 — 98
5765	99	92 — 95
5766	100	97 — 96
5767	99	97 — 95

5771 70 69 68				

8 inside 8 outside

5768. 16 Reg cups from Glen Ridge put in bottle with glass stopper. 21% KOH put down stairs on 1/8 asbestos on hot plate put date on label on bottle + Number - put stopper in done

5769 - Dup of 5768 Except 12% Sodium Hydrate from the metal -

5770 Dup of 5768 Except 21% of Sodium Hydrate from the metal,

done

5771 - Dup of 5768 Except 21% KOH with 3 grammes Aluminum dissolved in KOH,

5772 Dup of 5768
Except 21% KOH with 5 grammes
grafite from little bottle with
Screw top —

5773 Dup of 5768 Except.
5 grammes of Rubber pin
Seperators, moulded Kind - 21% KOH.